

Dynamic Clusters

Dynamic Clusters

A dynamic cluster is a server cluster that uses weights to balance the workloads of its cluster members dynamically, based on performance information that is collected from the cluster members. If a cluster member fails, requests are routed to other members of the cluster. The dynamic cluster can start or stop instances depending on the workload in the environment.

Preferences

Select: Name: Type: Operational mode:

You can administer the following resources:

 [appDmzCluster](#)

WebSphere application server

 Automatic

Total: 1

WebSphere application server clusters

WebSphere application server clusters

Use this page to change the configuration settings for a cluster. A server cluster consists of a group of application servers. If one of the member servers fails, requests will be routed to other members of the cluster. Learn more about this task in a [guided activity](#). A guided activity provides a list of task steps and more general information about the topic.

Preferences

Select: Name: Status:

You can administer the following resources:

 [appCluster](#)

 [appCluster2](#)


Total: 2

Websphere Transaction Cluster Facility Websphere Transaction Cluster Facility

Chao Zhang

Websphere Transaction Cluster Facility Websphere Transaction Cluster Facility:

Implementing High Availability and Disaster Recovery in IBM PureApplication Systems V2 Venkata Gadepalli,Rajeev Gandhi,Addison Goering,Bertrand Portier,Stanley Shieh,Sung-Ik Son,Hendrik Van Run,Margaret Ticknor,IBM Redbooks,2015-01-27 This IBM Redbooks publication describes and demonstrates common prescriptive scenarios for setting up disaster recovery for common workloads using IBM WebSphere Application Server IBM DB2 and WebSphere MQ between two IBM PureApplication System racks using the features in PureApplication System V2 The intended audience for this book is pattern developers and operations team members who are setting up production systems using software patterns from IBM that must be highly available or able to recover from a disaster defined as the complete loss of a data center *The Complete Guide to CICS Transaction Gateway Volume 1 Configuration and Administration* Rufus Credle,Sue Bayliss,Leigh Compton,Robert Jones,Manuela Mandelli,Richard Mercadante,IBM Redbooks,2014-08-08 In this IBM Redbooks publication you will gain an appreciation of the IBM CICS Transaction Gateway CICS TG product suite based on key criteria such as capabilities scalability platform CICS server support application language support and licensing model Matching the requirements to available infrastructure and hardware choices requires an appreciation of the choices available In this book you will gain an understanding of those choices and will be capable of choosing the appropriate CICS connection protocol APIs for the applications and security options You will understand the services available to the application developer when using a chosen protocol You will then learn about how to implement CICS TG solutions taking advantage of the latest capabilities such as IPIC connectivity high availability and Dynamic Server Selection Specific scenarios illustrate the usage of CICS TG for IBM z OS and CICS TG for Multiplatforms with CICS Transaction Server for z OS and IBM WebSphere Application Server including connections in CICS configuring simple end to end connectivity all platforms with verification for remote and local mode applications and adding security XA support and high availability Using IBM z/OS WLM to Measure Mobile and Other Workloads IBM Client Center Montpellier,Nigel Williams,Olivier Boehler,Philippe Bruschet,Francois Capristo,Alexis Chretienne,Stéphane Faure,Richard Gamblin,Fabrice Jarassat,Arnaud Mante,Irene Stahl,IBM Redbooks,2016-10-25 This IBM RedpaperTM publication discusses the need to monitor and measure different workloads especially mobile workloads It introduces the workload classification capabilities of IBM z SystemsTM platforms and helps you to understand how recent enhancements to IBM MVSTM Workload Management WLM and other IBM software products can be used to measure the processor cost of mobile workloads This paper looks at how mobile initiated and other transactions in IBM CICS IMSTM DB2 and WebSphere Application Server can be tagged and tracked using WLM For each of these subsystems the options for classifying mobile requests and using WLM to measure mobile workloads are reviewed A scenario is considered in which a bank is witnessing a significant growth in mobile initiated transactions and wants to monitor and measure the mobile channels more closely This paper outlines how the bank can use WLM to do this This

publication can help you to configure WLM mobile classification rules It can also help you to interpret Workload Activity reports from IBM RMFTM Post Processor and to report on the CPU consumption of different workloads including mobile and public cloud workloads

High Availability and Scalability of Mainframe Environments Using System Z and Z/OS as Example Robert Vaupel,2014-05-19 Mainframe computers are the backbone of industrial and commercial computing hosting the most relevant and critical data of businesses One of the most important mainframe environments is IBM System z with the operating system z OS This book introduces mainframe technology of System z and z OS with respect to high availability and scalability It highlights their presence on different levels within the hardware and software stack to satisfy the needs for large IT organizations

IBM Business Process Manager Version 8.0 Production Topologies Dawn Ahukanna,Victor Paulo Alves de Almeida,Vasfi Gucer,Shishir Narain,Bobby Pham,Mohamed Salem,Matthias Warkentin,J. Keith Wood,Zhi Qiu

Xie,Cheng Zhang,IBM Redbooks,2013-07-22 This IBM Redbooks publication describes how to build production topologies for IBM Business Process Manager V8 0 This book is an update of the existing book IBM Business Process Manager V7 5

Production Topologies SG24 7976 It is intended for IT Architects and IT Specialists who want to understand and implement these topologies Use this book to select the appropriate production topologies for an environment then follow the step by step instructions to build those topologies Part 1 introduces IBM Business Process Manager and provides an overview of basic topology components and Process Server and Process Center This part also provides an overview of the production topologies described in this book including a selection criteria for when to select a topology IBM Business Process Manager security and the presentation layer are also addressed in this part Part 2 provides a series of step by step instructions for creating production topology environments by using deployment environment patterns This process includes topologies that incorporate IBM Business Monitor This part also describes advanced topology topics Part 3 covers post installation instructions for implementing production topology environments such as configuring IBM Business Process Manager to use IBM HTTP Server and WebSphere proxy server

IBM Intelligent Operations Center V1.5 to V1.6 Migration Guide Sriram Balakrishnan,Tony Carrato,Sunil Mishra,Pam Nesbitt,Diwakar Puthalapat,Craig Scott,Jun Xia Zhou,IBM

Redbooks,2014-05-09 IBM Intelligent Operations Center is an integrated solution and a continually evolving platform and set of capabilities The platform grows as the capabilities increase over time and new interfaces and integration points are introduced in each release The purpose of this IBM Redbooks publication is to guide planners architects and implementers through the options that they have to take advantage of the new capabilities and maximize the benefits of moving to the new release This book considers what has already been deployed with IBM Intelligent Operations Center V1 5 the benefits of the new version IBM Intelligent Operations Center V1 6 0 1 and the best way to take advantage of the new capabilities as you transition IBM Intelligent Operations Center has several integration and extension points for the previous and current versions of the product which points are documented and described in this book This IBM Redbooks publication describes

options and considerations for the best way to migrate customizations and benefit from the new architecture. Thorough details about the differences between the prior and new versions of the product are provided to enable a clear understanding of migration choices options and preferred practices. This book includes descriptions of the trade offs for each migration option and in depth information about data flows available tools and scripting changes that might affect existing IBM Intelligent Operations Center installations. This book is targeted to the following audiences: Line of business managers or stakeholders who are interested in understanding the new features in IBM Intelligent Operations Center V1.6 and who are looking for information about how to plan the migration of their current IBM Intelligent Operations Center V1.5 environments. Architects who need to understand the effect that IBM Intelligent Operations Center V1.6 will have on the architecture of IBM Intelligent Operations Center V1.5 solutions. IT specialists and product specialists who are responsible for implementing the migration of a solution based on IBM Intelligent Operations Center V1.5 to a V1.6 solution. Readers of this book will benefit from the IBM Redbooks publication IBM Intelligent Operations Center 1.6 Programming Guide SG24 8201 [DB2 pureScale: Risk Free Agile Scaling](#) Paul Zikopoulos, Aamer Sachedina, Matthew Huras, Paul Awad, 2010-11-05

Extreme Availability and Scalability Up and Running With DB2 pureScale DB2 is a leading edge hybrid data server that offers optimum storage scalability and availability. DB2 pureScale is a new technology primarily optimized for scale out transactional processing clusters in an active active manner. This succinct guide will show you how DB2 with pureScale can deliver transparent application scalability, the ability to deliver agile like computing to your transaction systems and extreme availability. This book together with IBM DB2 9 New Features McGraw Hill 2007 and Break Free with DB2 9.7 McGraw Hill 2009 provides you with the comprehensive knowledge you need to get started with the latest DB2 release. Try the new features by downloading DB2 Express C 9.7 it is free to develop, deploy and distribute with no user and database size limitations and features pureXML technology. Go to ibm.com/db2/express Discover the benefits your business can achieve with the agility provided by DB2 pureScale. Find out how applications can be transparently scaled. Reduce the risk and cost of business growth through unlimited capacity.

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The Enigmatic Realm of **Websphere Transaction Cluster Facility Websphere Transaction Cluster Facility**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Websphere Transaction Cluster Facility Websphere Transaction Cluster Facility** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of people who partake in its reading experience.

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